

SAMSON
A U D I O

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SAMSON[®]

A U D I O

Precision Audio Tools For The Jobs That Matter.

Precision Audio Tools



SERVO 120 POWER AMPLIFIER



Ideal for powering near-field monitors or for use as a headphone amplifier, the Servo 120 provides reference-class audio performance and reliability in a compact package.

- Single rack space Servo-controlled stereo power amplifier
- 60 watts into 4 ohms, 50 watts into 8 ohms (stereo) and 120 watts into 8 ohms (bridged mono)
- Wide, flat frequency response of less than 10 Hz to plus 100 kHz (-3 dB) for reference-quality audio
- Front panel headphone jack with speaker-disable switch
- Independent left/right level controls with 5-segment, 3-color LED meters
- Relay-controlled power-on circuitry prevents speaker "thumps"
- Balanced 1/4" TRS inputs and gold-plated unbalanced RCA inputs
- Push-spring terminal outputs
- Convection-cooled design eliminates fan noise and maintenance problems
- Bipolar design and toroidal transformer power supply
- Overheating and over-current protection circuitry

SERVO 170 POWER AMPLIFIER



A versatile performer in a compact package, our popular Servo 170 is excellent for near field monitoring, stereo midrange/high frequency bi-amping applications and low power distribution systems.

- Dual rack space Servo-controlled stereo power amplifier
- 85 watts into 4 ohms, 60 watts into 8 ohms stereo
- Wide, linear 20 Hz to 50 kHz frequency response
- Independent left/right input level controls with 41 detents
- Front-panel clip and idle LEDs for both channels
- Relay-controlled power-on circuitry prevents speaker "thumps"
- Balanced 1/4" TRS inputs and gold-plated unbalanced RCA inputs
- 1/4" and push-spring terminal outputs
- Convection-cooled design eliminates fan noise and maintenance problems
- Bipolar design
- Overheating and over-current protection circuitry

SERVO 260 POWER AMPLIFIER



A mainstay of our Servo line, the 260 is great for near-field monitor set-ups, headphone distribution systems, and smaller live sound applications.

- Dual rack space Servo-controlled stereo power amplifier
- 130 watts into 4 ohms, 90 watts into 8 ohms stereo
- Extended 20 Hz To 50 kHz frequency response
- Independent left/right input level controls with 41 detents
- Front-panel clip and idle LEDs on both channels
- Relay-controlled power-on circuitry avoids speaker "thumps"
- Balanced 1/4" TRS inputs and gold-plated unbalanced RCA inputs
- 1/4" and push-spring terminal outputs
- Convection-cooled design eliminates fan noise and maintenance problems
- Bipolar design
- Overheating and over-current protection circuitry

SERVO 550 POWER AMPLIFIER



Using the Servo 550 in the bridged mono mode is a great way to power a separate subwoofer system as an enhancement to your overall sound.

- Three rack space Servo-controlled stereo power amplifier
- 275 watts into 4 ohms, 190 watts into 8 ohms (stereo) and 550 watts into 8 ohms (bridged mono)
- Wide, linear 20 Hz to 50 kHz frequency response
- Independent left and right input level controls with 41 detents
- Front-panel clip, idle, protection and power LEDs
- Relay-controlled power-on circuitry prevents speaker "thumps"
- Balanced 1/4" TRS inputs and gold-plated unbalanced RCA inputs
- 1/4" and binding post outputs
- Convection-cooled design eliminates fan noise and maintenance problems
- Bipolar design
- Overheating and over-current protection circuitry

After the music, power is everything. Samson amps provide clean, reliable power for every application. Samson offers three lines: our precision Servo Series, with ultra-low distortion, our muscular S-Series amps for live applications and our pure-power F Series. Samson amps include all the features and connectivity that audio professionals want, at truly affordable prices.

For over a decade Samson has been building innovative audio products that sound great and perform reliably day after day, night after night. It starts with innovation: new ideas, rethinking the obvious. It's R&D: Finding better ways to build products to enhance quality and reliability.

Just about everyone at Samson is a musician. From the CEO, to the engineers, to the customer service reps, to the sales and marketing people. We use these products. That's why our gear delivers what music professionals need.

Samson Audio.
Precision audio tools for the jobs that matter.

S500 POWER AMPLIFIER



New to the S Series, the sturdy and reliable S500 is perfect for live sound or fixed installations where 500 watts is the right amount of power.

- Heavy-duty dual rack space stereo power amplifier
- 250 watts per channel into 4 ohms, 150 watts into 8 ohms (stereo) and 500 watts into 8 ohms (bridged mono)
- Temperature-sensitive, speed-controlled fan
- Independent front panel input level controls with 41 detents and 3-segment output LED meters
- Overheating and over-current protection circuitry with LED monitoring
- XLR and locking TRS inputs, banana jack outputs and Speakon™ connectors
- Parallel inputs allow several amps to be linked together

S700 POWER AMPLIFIER



Exceptionally rugged and reliable, the S700 is a powerful, multi-purpose amplifier.

- Heavy-duty dual rack space stereo power amplifier
- 350 watts into 4 ohms, 220 watts into 8 ohms (stereo) and 700 watts into 8 ohms (bridged mono)
- Dual temperature-sensitive, speed-controlled fans
- Independent front panel input level controls with 41 detents and 3-segment output LED meters
- Overheating and over-current protection circuitry with LED monitoring
- Stable bipolar design
- XLR and locking TRS inputs, banana jack outputs and Speakon™ connectors
- Parallel inputs allow several amps to be linked together

S1000 POWER AMPLIFIER



Serious power for all kinds of live sound projects, commercial installations and PA systems.

- Heavy-duty dual rack space stereo power amplifier
- 500 watts into 4 ohms, 330 watts into 8 ohms (stereo) and 1,000 watts into 8 ohms (bridged mono)
- Dual temperature-sensitive, speed-controlled fans
- Independent front panel input level controls with 41 detents and 3-segment output LED meters
- Overheating and over-current protection circuitry with LED monitoring
- Dual protection LEDs and relay-controlled outputs linked to protection LEDs
- XLR inputs and locking TRS inputs, Banana jack outputs with Speakon™ connectors
- Parallel inputs allow several amps to be linked together

S1500 POWER AMPLIFIER



Efficient and highly reliable, the S1500 stereo amp provides plenty of power on the road, in commercial installations and for PA use.

- Heavy-duty three rack space stereo power amplifier
- 750 watts into 4 ohms, 500 watts into 8 ohms (stereo) and 1,500 watts into 8 ohms (bridged mono)
- Dual temperature-sensitive, speed-controlled fans
- Independent front panel input level controls with 41 detents and 3-segment output LED meters
- Overheating and over-current protection circuitry with LED monitoring
- XLR inputs and locking TRS inputs, banana jack outputs and Speakon™ connectors
- Parallel inputs allow several amps to be linked together
- AC mains: IEC and Neutrik® Powercon connector included

S2000 POWER AMPLIFIER



The rugged S2000 stereo amp from Samson delivers awesome power, reliability and protection for live sound situations, commercial installations and PA applications.

- Heavy-duty three rack space stereo power amplifier
- 1,000 watts into 4 ohms, 650 watts into 8 ohms (stereo) and 2,000 watts into 8 ohms (bridged mono)
- Dual temperature-sensitive, speed-controlled fans
- Independent front panel input level controls with 41 detents and 3-segment output LED meters
- Overheating and over-current protection circuitry with LED monitoring
- XLR inputs and locking TRS inputs, banana jack outputs and Speakon™ connectors
- Parallel inputs allow several amps to be linked together
- AC mains: IEC and Neutrik® Powercon connector included

F800 POWER AMPLIFIER



For applications that require reliable power, but don't require front panel controls. Perfect for DJs, and others who need simple, pure power.

- Heavy-duty three rack space stereo power amplifier
- 400 watts into 4 ohms, 250 watts into 8 ohms (stereo) and 800 watts into 8 ohms (bridged mono)
- Bipolar design
- Dual temperature-sensitive, speed-controlled fans
- Balanced 1/4" and RCA input connectors
- Binding post output connectors
- Protection, power and bridging LEDs
- Resettable in-line fuse on rear panel

F1200 POWER AMPLIFIER



With its high power and simple, reliable design the F1200 is the ultimate DJ amplifier. It's also perfect for any application that requires pure power—and lots of it.

- Heavy-duty three rack space stereo power amplifier
- 600 watts into 4 ohms, 400 watts into 8 ohms (stereo) and 1,200 watts into 8 ohms (bridged mono)
- Bipolar design
- Dual temperature-sensitive, speed-controlled fans
- Balanced 1/4" and RCA input connectors
- Binding post output connectors
- Protection, power and bridging LEDs
- Resettable in-line fuse on rear panel

S•CURVE 215 - 2x15 BAND EQ



A great, multi-purpose EQ, with all the features and easy-to-read lighted display.

- 2/3 octave 15 band stereo graphic equalizer
- Constant Q circuitry
- Balanced XLR & TRS inputs and outputs
- Low cut filter
- LED faders and LED bar VU meters
- Bypass switch
- Single rack space chassis, aluminum extrusion face plate

S•CURVE 131 - 31 BAND EQ



For professionals looking for a full 31 band EQ.

- 1/3 octave 31 band graphic equalizer
- Constant Q circuitry
- LED faders
- Switchable 6 or 12 dB filters
- Cut Only mode
- Variable low cut filter
- Single rack space chassis, aluminum extrusion face plate

S•CURVE 231 - 2x31 BAND EQ



A totally comprehensive, feature-rich dual 31-band EQ for the most demanding applications.

- Dual 31 band graphic equalizer
- Constant Q circuitry
- LED faders
- Low cut/Sub Frequency Crossover with Subwoofer output
- Balanced XLR & TRS inputs and outputs
- Boost/cut, and Cut Only modes
- Switchable 6 or 12 dB filters
- Variable high cut filter
- Double rack space chassis, aluminum extrusion face plate

Designed and built for professionals, S•Curve EQs feature easy-to-read LED displays and the extra features professionals need. S•Curve EQs are also exceptionally quiet, in fact up to 15dB lower than comparable equalizers.

S•COM STEREO COMPRESSOR



The all-purpose Stereo Compressor/Limiter every studio needs.

- Compressor section includes variable threshold, ratio, attack, release and output
- Expander/Gate section includes variable threshold level, release time
- SKD (Smart Knee Detector) dynamically adjusts the compression curve
- AEG (Auto Envelope Generator) dynamically adjusts attack and release
- EFR (Enhanced Frequency Recovery) restores high frequencies lost with heavy compression
- Expander/gate, compressor/limiter and enhancer on both channels
- A key input and key listen provide for external triggering, or EQ
- Balanced Inputs and Outputs

S•COM PLUS COMPRESSOR/LIMITER



This Stereo Compressor/Limiter adds features like De-essing for added control.

- Compressor section includes variable threshold, ratio, attack and release
- Expander/gate section includes variable threshold level, release time
- SKD (Smart Knee Detector) dynamically adjusts the compression curve
- AEG (Auto Envelope Generator) dynamically adjusts attack and release
- EFR (Enhanced Frequency Recovery) restores high frequencies lost with heavy compression
- Built-in de-esser circuitry reduces sibilance
- Metering of input/output, gain reduction, de-esser level, gate open/close and limit
- Key inputs and outputs for externally processing control voltage
- Individual channel bypass, stereo link mode
- Balanced inputs and outputs

S•COM 4 GATE/COMPRESSOR



The S•com 4 provides four channels of high quality dynamics processing with an Expander/Gate and Compressor/Limiter on each channel.

- Channels operate independently or in stereo pairs
- Multi-segment LED metering for input/output and gain reduction
- Expander/gate section Includes variable threshold, and a switch for fast/slow release time
- Compressor/limiter section includes variable threshold, ratio and output
- EFR (Enhanced Frequency Recovery) restores high frequencies lost with heavy compression

S•3-WAY CROSSOVER



The Stereo/Mono S•3-Way is a versatile 2-way, 3-way and 4-way crossover.

- Extensive sweeping frequency control options
- 2-way, 3-way stereo or 4-way mono operation
- Low, mid and high frequency outputs with ± 6 dB of gain control
- Mute and phase switch for each output, delay control for LF output
- Variable threshold limiter, a CD function (for constant directivity horns)

S•GATE 4 GATE/DUCKER



This four channel Gate/Ducker can be operated as four discrete gates or linked into stereo pairs.

- Ducker for automatic lowering of signal for a channel or stereo pair
- Key input and key listen for inserting an external source
- Each channel has high and low pass filters, threshold, attack, hold, release and range control
- 8-segment gain reduction LED monitor
- Front panel ducker, link, in/out, filter and key listen switches

S•VOX VOICE CHANNEL/INPUT MIXER



The S•vox is a sophisticated Stereo Voice Channel/Input Mixer. It provides a host of tools for cleaning up vocal tracks before they go tape.

- Superior microphone pre-amps and direct inputs for instruments
- Phase Reversal switch, volume and pan controls
- 3-band EQ with sweepable mids and an in/out switch
- Built-in optical compressor with selectable threshold
- LED input/output meters, 48-Volt phantom power
- S/PDIF inputs and outputs, 1/4" TRS balanced mixer outputs

S•PHONE HEADPHONE AMP



This Four Channel Headphone Amplifier is loaded with advanced features that provide tremendous flexibility for monitor and cue mixing.

- Master Input features an input level and LED meter
- Each of the four channels has three headphone outputs with volume control and level meters
- Stereo Aux input on each channel with balance control for "More Me" mixing
- 2-band equalizer on each of the four channels

S Class Processing represents a new perspective on professional-level audio processing. Elegant and powerful, S Class processors combine proven circuitry, innovative features and ease-of-use in beautifully crafted cabinets.

Samson Audio signal processors are made with an attention to detail you can see, hear and feel.

Not only do we include all the tools professionals are looking for, our engineers routinely create features never seen before.

Introducing an all-new concept in studio signal processing. C Class delivers high-end processing tools to desktop recordists in a friendly, innovative package. Designed to complement each other, they also work great individually.

C•VALVE TUBE PREAMP



Adds the warmth of analog tubes to digital recordings.

A true tube pre-amp that provides pure signal and silky sound. It features variable gain and variable tube process saturation for adding harmonics. Regardless of which mic you use, it will maintain detail and transparency. 48-Volt phantom power, phase and peak limiter round out the

control set. A large analog VU output meter and a 6-segment LED input meter make it easy to adjust the gain. Use its insert points along with a C Class Compressor for a direct path to a gorgeous front end sound. The C-valve provides a digital output as well.

C•COM 16 COMPRESSOR



A compact, full-featured compressor for the desktop.

A full-featured Stereo Compressor/Limiter with 16 settings. There are fifteen presets and a manual mode for more critical adjustments when required. The C-com 16's controls include variable threshold, ratio, attack, decay,

release and output level. An enhancer provides the added character that is lost under heavy compression. Key output/input for outboard triggering or external filtering of the key signal. A 6-segment LED gain reduction meter and a 6-segment LED input/output meter provides visual monitoring of the circuit's affect.

C•COM OPTI OPTICAL COMPRESSOR



Adds the magic of optical compression to recordings.

A perfect complement to the computer's hygienically clean sound. The C-com opti's adjustable threshold, ratio, attack, release and output controls are calibrated to generate a distinctive soft, rich character while providing magnificent control over dynamics. An enhancer provides the

added character lost under heavy compression. Key output/input for outboard triggering or external filtering of the key signal. Large analog VU meter for output level or gain reduction.

C•CONTROL STUDIO MATRIX

Provides a control room matrix previously available only on consoles costing thousands.

A unique solution for studios with multiple monitors, headphone mixes and tape or digital sources. Provides easy, heretofore impossible to achieve, instant monitor mixes or dubs. Select from three pairs of speakers with dim and mute. Use the talkback mic to give instructions to the musicians in the headphone mix. Push-to-talk also records slates. Includes a headphone amp with level control. Three sets of stereo ins and outs are included, with dubbing capability to three outputs.



C•QUE 8 HEADPHONE AMP

The perfect compact headphone amp.

Further enhancing your control in the studio is this Four Channel Headphone Amplifier with eight outputs. Independent volume on each channel makes this a truly versatile headphone amplifier. A 6-segment LED indicator shows the output for each channel. There's a main volume for overall level adjustment. An EQ shape circuit offers tone control of each channel and listeners can manage their own personalized mixes. Link outputs allow more than one C-que 8 to be used when needed.



S•DIRECT



As a regular feature of a club sound system or as a durable road piece the S-Direct is the only direct box you'll ever need.

- Perfect for stage and studio
- Switchable input level handles instrument and speaker levels
- 48 Volt phantom power or 9 volt operation with auto battery shut off
- Switchable ground lift
- 1/4" link output

S•MONITOR



An elegant solution for personal monitoring either on stage or in the studio.

- XLR microphone input
- XLR microphone Thru, microphone output to send to main mixer
- 1/4" stereo mix input
- 1/4" stereo mix Thru for daisy chaining additional units
- Microphone volume control
- Mix volume control
- Two headphone outputs
- 18 Volt AC adapter included

S•MIX



A miniature 5-channel mixer packed with high-end features.

- 5-channel mini mixer
- XLR balanced microphone input with volume control
- RCA stereo inputs with volume control
- 1/4" stereo inputs with volume control
- RCA stereo outputs
- 1/4" stereo outputs
- 18 Volt AC adapter included

S•AMP



A 4-channel headphone amplifier ideal for home recording.

- 4-channel headphone amplifier
- Four 1/4" stereo headphone outputs
- Individual volume control for each headphone output
- Stereo 1/4" input
- 18 Volt AC adapter included

S•CONVERT



A "bump-box", S-Convert is a problem solver for interfacing and level matching consumer and professional audio equipment.

- +4 to -10 audio level converters
- RCA -10 inputs with level control, RCA -10 outputs
- XLR +4 outputs
- XLR +4 inputs with level control
- 18 Volt AC adapter included

S Class Mini Processors offer advanced signal processing in incredibly durable, portable enclosures. Perfect for home, on the road, or a quick fix to a house sound system.



MDR 6 MIXER

The compact MDR 6 is a six input stereo mic/line tabletop mixer in a portable and rugged package. Perfect for a small studio, the MDR 6 features Hard Disc Record mode for recording with a PC.

- Six input stereo mixer
- Low noise op-amps
- Low impedance circuit design
- 60mm faders on each channel and mains
- 3-band EQ on each channel
- Hard Disc Mode
- Four XLR inputs with mic preamps
- Mono out with level control
- Dual 5-segment LEDs
- Aux send with effects return
- Headphone out with level control
- Phantom power
- In-line power supply

**MDR 8 MIXER**

The Samson MDR 8 is an eight channel professional stereo mixer with built-in 24-bit DSP. It can handle up to either eight line ins, four mics and two stereo line ins or six mics all with high quality mic preamps.

- Eight input stereo mixer
- Low noise op-amps
- Low impedance circuit design
- 24-bit DSP effects
- 60mm faders on each channel and mains
- 3-band EQ on each channel
- Hard Disc Mode
- Six XLR inputs with mic preamps
- Mono out with level control
- Dual 6-segment LEDs
- 2 Aux sends with 2 effects returns
- Headphone out with level control
- Phantom power
- In-line power supply

**MDR 10 MIXER**

The MDR 10 stereo mixer packs a lot of professional features into a compact package. High quality mic preamps, 60mm faders, pan control and our great-sounding 24-bit DSP processor.

- 10 channel stereo mixer with 2 + 2 bussing
- Pre amps on each channel
- Low noise op-amps
- Low impedance circuit design
- 24-bit DSP effects
- 60mm faders on each channel and mains
- 3-band EQ with sweepable mids and a low cut filter on channels 1 thru 6
- 10 XLR inputs with mic preamps
- Mono out with level control
- Dual 12-segment LEDs
- 2 Aux sends with 2 effects returns
- Headphone out with level control
- Phantom power
- 2-track in and out connectors with send to mix switch

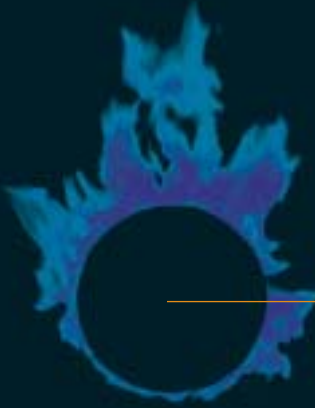
**MDR 16 MIXER**

The flagship of the series, the MDR 16 is a true 4-bus stereo mixer. Each of the 16 channels feature a high quality mic preamp, gain control, solo, bus 1-2 and bus 3-4 switches.

- 16 channel stereo 4-bus mixer
- Pre amps on each channel
- Low noise op-amps
- Low impedance circuit design
- 24-bit DSP effects
- 60mm faders on channels, busses and mains
- 3-band EQ with sweepable mids and a low cut filter on channels 1 thru 8
- 16 XLR inputs with mic preamps
- Mono out with level control
- Dual 12-segment LEDs
- 2 Aux sends with 2 effects returns
- Headphone out with level control
- Phantom power
- 2-track in and out connectors with send to mix switches



Transparent sound, low noise and high quality mic preamps were the criteria when developing the new MDR (Maximum Dynamic Range) series of mixers. MDR mixers have features found nowhere else, like our exclusive Hard Disc Mode (HDM), found on the MDR 6 and 8, that eliminates delay between instrument and monitor mix when recording to hard disc. The larger MDRs feature great sounding 24-Bit DSP effects.



Samson Mixers give music professionals what they need for every situation. From rehearsal room, to studio, to live applications—Samson makes a mixer that will do the job.

MIXPAD 4 PORTABLE MIXER

From its high headroom (+27 dBu output) design to its durable extruded aluminum chassis, the AC or battery-powered Mixpad 4 is a natural choice for field recording.

- Ultra-compact 4-channel audio mixer
- 2 mic/line inputs and 1 stereo input (4 channels total)
- Battery operation (three 9V) and external AC power supply included
- Shoulder strap included
- 1 aux send (post fader)
- 1 stereo effects return
- Independent 3-band EQ on each channel with up to 15 dB of boost or cut
- Adjustable mic input trims
- Peak overload LEDs on left and right main output
- Constant-level pan controls (mono channels) and balance control (stereo channel)
- Balanced stereo output
- Switchable phantom-powered XLR mic input connectors
- 12-hour battery life



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TM300 STEREO POWERED MIXER

Offering remarkable versatility for the price, the TM300 powered mixer is ideal for all kinds of live sound reinforcement jobs.

- 6 channel table-top/rack-mountable powered mixer
- 6 mono mic/line channels
- Stereo power amp produces 150 watts per side into 4 ohms
- Dual 7-band graphic EQ on main output
- 3-band EQ on each channel
- 2-band EQ for stereo channels
- 3 preset DSP effects
- 2 Aux sends per channel
- 2 Aux returns
- Fan-cooled bipolar amp design
- Phantom power



TM500 STEREO POWERED MIXER

The TM500 powered mixer is an all-in-one package designed for small clubs, theater and other applications.

- 10 channel table-top/rack-mountable powered mixer
- 2 stereo channels, 8 mono mic/line channels
- Stereo power amp produces 250 watts per side into 4 ohms
- Dual 7-band graphic EQ on main
- 3-band EQ on mono channels, 2-band EQ on stereo channels
- Built-in DSP section with up to 256 effect variations
- 2 Aux sends per channel
- 2 Aux returns
- Fan-cooled bipolar amp design
- Phantom power



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PA324 POWERED MIXER

Rugged and ready to go, the PA324 dual amp powered mixer with 24-bit DSP handles up to six mic/line inputs with power to spare.

- 6 channel powered mixer with 6 XLR inputs with mic preamps
- Power amp produces 150 watts per side (stereo) 300 watts (bridged)
- 3-band EQ on each channel, 7-band graphic EQ on mains
- 24-bit DSP effects
- Effects and monitor sends on each channel
- Mono out with level control
- Dual 7-segment LEDs
- Phantom power
- Carpeted wood cabinet complete with corners and handle



S-PATCH PLUS PATCH BAY



The ultimate patch bay. Fully balanced and extremely durable, our 48-point patch bay makes all your connections easy.

- Rack mount 3-way front panel mode switches
- Normal, half-normal and through mode operation
- 1/4" TRS connectors

POWERBRITE™ PRO POWER DISTRIBUTION



The ultimate rack accessory. Provides power distribution, metering and lighting.

- Front panel voltmeter and current meter to accurately monitor power conditions
- Adjustable pull-out tray with silent fluorescent lamp, rear panel connection for supplied goose neck lamp
- Pro7 (U.S.) features 6 rear panel AC outlets, Pro9 (E.U.) features 8 rear panel IEC outlets
- Unswitched front panel outlet for constant power applications
- 15 amp circuit breaker
- Accepts AC power brick adapters

POWERBRITE RACK POWER DISTRIBUTION



The PowerBrite is a highly practical add-on for live, studio and fixed installations.

- Adjustable pull-out tray with silent fluorescent light
- PB9 (U.S.) features 8 rear panel outlets, PB11 (E.U.) has 10 rear panel IEC outlets
- Unswitched front panel outlet for constant power applications
- 15 amp circuit breaker
- Accepts AC power brick adapters

POWERSTRIP RACK POWER DISTRIBUTION



PowerStrip supplies eight switched AC outlets on the rear panel along with special noise filters and surge/spike protection.

- PB9 (U.S.) features 8 rear panel outlets, PB11 (E.U.) has 10 rear panel IEC outlets
- Unswitched front panel outlet
- AC noise filtering
- Surge/spike protection
- 15 amp circuit breaker
- Accepts AC power brick adapters

RESOLV 50a ACTIVE REFERENCE MONITORS

Powerful and compact, Resolv 50a monitors sound rich and accurate, and are ideal for tight spots.

- Dual power amp (50 watts low and 25 watts high)
- 5.25" polypropylene butyl surround woofer
- 1" ferro-fluid filled titanium tweeter
- Active crossover
- 1/4" and RCA inputs
- Ported, tuned cabinet
- Wall mountable (with optional bracket)



RESOLV 65a ACTIVE REFERENCE MONITORS

Powerful and accurate, it's like having four different sets of monitors in your studio thanks to the adjustable midrange control.

- Dual power amp (75 watts low and 25 watts high)
- Four-position midrange contour control
- 6.5" polypropylene butyl surround woofer
- 1" ferro-fluid filled titanium tweeter
- Active crossover
- XLR, 1/4" and RCA inputs
- Ported, tuned cabinet



Also available in a passive version, the Resolv 65, featuring a custom-designed passive crossover.

RESOLV 80a ACTIVE REFERENCE MONITORS

Ideal for mid- to large-sized control rooms where high volume and serious bass response are required.

- Dual power amp (75 watts low and 25 watts high)
- Four-position midrange contour control
- 8" copolymer butyl surround woofer
- 1" ferro-fluid filled titanium tweeter
- Active crossover
- XLR, 1/4" and RCA inputs
- Ported, tuned cabinet



RESOLV 120a SUBWOOFER

By taking advantage of the mute switch, you can a/b your mix with or without a powered subwoofer.

- 120 watt amplifier
- Heavy-duty 10" driver
- 40-180 Hz.
- Active crossover
- Phase switch
- Auto sleep mode
- Mute switch jack



Resolv monitoring systems for studio applications offer incredible sound quality as well as flexibility.

Resolv 65a and 80a powered monitors offer a unique four position curve control that allow the user to listen to a mix four different ways, each emulating a different EQ curve.

It's like having four sets of monitors in your studio. Add the 120a for even more monitoring options.

EXPEDITION EXPRESS



All-inclusive Powered Speaker System

- 250 watt amplifier
- 12" heavy-duty driver
- 1" titanium compression driver with elliptical wave-guide horn
- Built-in mixer with DSP reverb and echo
- Samson microphone, cables and mic clip
- Lightweight, yet heavy-duty, molded resin cabinets
- Built-in handle and wheels



The two speaker cabinets lock easily together, and all the accessories fit in the back.

It takes only minutes to set up, break down, and hit the road.



Expedition Express from Samson. Two speakers, one with a built-in power amp and mixer, a microphone and all the cables. Plus one important detail other portable PA systems leave out: Sound quality. Perfect for any traveling music or P.A. application; ideal for education and business environments. The Expedition Express even works out-of-doors using the RB2030 rechargeable battery. Other optional accessories include a wireless mic system and cassette deck.

EXPEDITION PRO XP100

Passive 2-Way Speaker

- Custom 12" Celestion driver
- 1" Titanium compression driver
- Scuff resistant textured finish
- Heavy duty steel grill
- Convenient built-in wheels and telescoping handle
- Compact and light weight (28.5 lbs)
- 250W/400W peak power rating



EXPEDITION PRO XP200

Powered 2-Way Speaker System

- Custom 12" Celestion driver
- 1" Titanium compression driver
- Built-in Bi-amplification totaling 200 watts
- Speaker overload protection circuitry
- Heavy duty cabinet and steel grill
- Convenient built-in wheels and telescoping handle
- Compact and light weight (42 lbs)



EXPEDITION PRO XP300

Powered 2-Way Speaker with 4-Channel mixer and DSP Effects

- Professional level public address, monitor or music playback system
- Custom 12" Celestion driver
- 1" Titanium compression driver
- Built-in Bi-amplification totaling 200 Watts
- Built-in 4 channel mixer with 3 mic/4 line inputs
- High-quality digital reverb
- Stereo line out allows for daisy-chaining additional speakers
- Optional cassette deck, wireless mic system and battery available
- Heavy duty cabinet and steel grill
- Convenient built-in wheels and telescoping handle
- Compact and light weight (46 lbs)



Samson's all-new Expedition Pro speakers sound incredible thanks to custom designed Celestion drivers, new electronics and new Titanium high frequency drivers. Great speakers for public address, music playback or floor monitoring. The portable XP300 features 200 watts of built-in power, a 4-channel mixer and DSP effects. Expedition Pro speakers are available in both passive and active models.



dB500a



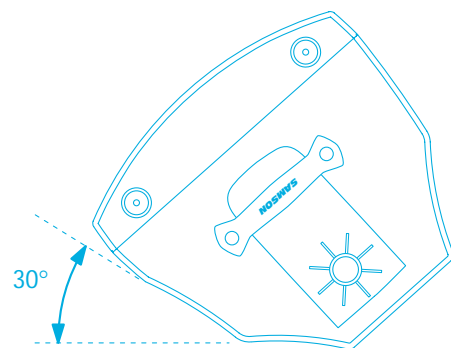
The dB500a powered loudspeaker

Inside our rigid custom designed cabinet is a 15" driver designed exclusively for this project. It's matched with a new 1.75" titanium high frequency driver, aimed through a 1" diameter horn. The dB500a features 500 watts of Class H power (400 watts low frequency/100 watts high frequency) and has a crossover designed for high SPL. Our exclusive Optimax™ signal processing circuitry provides total speaker protection but won't cut the low end at high volumes, as similar speakers with sliding filters do.

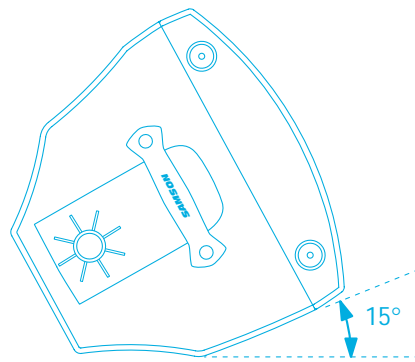


The back panel has a built-in mixer-like preamp section with mic and line inputs, XLR connectors and level controls. Controls for the selectable low pass filter and Optimax processing are also included.

Near Field



Far Field



STAGE MONITOR POSITIONS

dB500 and dB500a speakers are also designed to work as floor monitors. The cabinet is designed to provide two different monitor angles, depending on the application and size of the stage.

dB500



dB500 Passive Loud Speaker

The passive dB500 has many of the same features as the dB500a, including the same rugged enclosure and advanced drivers. A natural sounding fixed crossover is built-in, and the back panel features 1/4" and XLR connectors.



Both dB500 and dB500a speaker cabinets feature an array of mounting options. Designed with floor monitoring in mind, they are also easily stacked or permanently installed. A 1 3/8" pole receptacle is built in, and 10 reinforced fly points are available.

EX500 ACTIVE SUBWOOFER

An excellent sub for serious sound reinforcement, and the perfect match for the dB500a.

The EX500 provides 500 Watts of power driving a custom, heavy-duty 15" low frequency driver. It is the ideal complement to the dB500/dB500a, or our Expedition Pro speakers. The built-in stereo crossover lets you use the EX500 in mono or as a common subwoofer in a stereo system. It also features a steel grill and rigid corners for durability, as well as an integral pole mount for conveniently mounting Expedition cabinets above.



Samson microphones combine quality mic capsules and elegant electronics inside rugged, great looking cases. For the road or the studio: for the stage or the conference room: Samson has a microphone solution at a great price.

C01 CONDENSER MIC

Now there is a high-quality studio condenser mic for everyone. The C01 is accurate and detailed, and adds warmth and richness to acoustic guitar and vocals. The C01 also excels as an overhead drum or room mic.

- Cardioid pickup pattern
- Large 19mm diaphragm
- Heavy gauge mesh grill
- Gold plated XLR connector
- LED indicates 48V phantom power
- Smooth, flat frequency response
- Swivel stand mount
- Optional SP01 shock mount available



SP01 shock mount



C02 PENCIL CONDENSER MIC

A beautifully crafted pencil-style condenser for use with acoustic instruments, cymbals, percussion, piano and overhead micing applications. Sold as a stereo pair.

- Highly-focused cardioid condenser pickup pattern
- Gold-plated XLR connectors
- Carry case and two shock-mount mic clips included



C03 MULTIPATTERN CONDENSER MIC

An incredibly flexible and great sounding studio condenser microphone. Perfect for recording multiple vocals at once, acoustic instruments room micing and more.

- Switchable cardioid, omni and figure-8 pick up patterns
- Dual 19mm capsule design
- Switchable high-pass filter
- Switchable 10 dB pad
- Gold plated XLR connector
- LED indicates 48V phantom power
- Carry case and swivel stand mount included
- Optional SP01 shock mount available



C05 HAND-HELD CONDENSER MIC

The new C05 condenser mic offers Samson condenser technology in a comfortable to use hand held design.

- Cardioid pickup pattern
- Smooth, flat frequency response
- Multi-axis shock-mounted element
- Gold-plated XLR connectors
- Carry case and mic clip included



Q1 CONDENSER MIC

The Q1 condenser microphone brings a high level of accuracy and audio performance to vocal micing applications.

- Ideal for live performance vocals, public speaking, project studio vocals
- Accurate, full range audio performance
- Tight cardioid pattern reduces feedback
- Shock mounted element minimizes handling noise
- Phantom power required
- Withstands high SPLs
- Linear frequency response



QMIC HYPERCARDIOID VOCAL MIC

Fast, highly precise and designed for today's live sound reinforcement and PA situations.

- Perfect for live performance and public speaking
- Special midrange "peak" at 2 kHz for better vocal reproduction
- Advanced Neodymium element delivers high output
- Hypercardioid pattern allows maximum gain before feedback
- Aluminum humbucking voice coil provides hum rejection
- Multi-axis shock-mount minimizes handling noise
- Gold-plated XLR connector, die-cast zinc casing and anti-dent ring



Q2 CARDIOID MIC

An effective choice for micing vocals, amplifiers and instruments, and as a multi-purpose mic for project recording.

- Advanced Neodymium element delivers high output
- Cardioid polar pattern reduces feedback
- Transformerless design provides extended low frequency reproduction
- Aluminum humbucking voice coil provides hum rejection
- Switchable 10 dB pad for use with high SPL sources
- Switchable 12 dB per octave high pass filter helps eliminate rumble
- Multi-axis shock-mount mic reduces handling noise
- Gold-plated XLR connector, die-cast zinc casing and anti-dent ring



Q3 HYPERCARDIOID INSTRUMENT MIC

Designed to excel in kick drum and instrument miking applications, the Q3 provides consistent output with unmatched sound in high SPL situations.

- Advanced Neodymium element delivers high output
- Hypercardioid pattern reduces feedback
- Mic rotates 90° for easy positioning
- Transformerless design provides extended low frequency reproduction
- Aluminum humbucking voice coil provides hum rejection
- Switchable 10 dB pad facilitates use with high sound pressure level sources such as bass drums
- Switchable 12 dB per octave high pass filter helps eliminate rumble
- Triple-plated multi-stage windscreens allows close proximity use with minimal noise
- Multi-axis shock-mount mic element enables quiet performance
- Gold-plated XLR connector, die-cast zinc casing and anti-dent ring
- Foam-lined carry case, mic clip and "Euro-metric" mic stand adapter included



Samson's all-new Q Series dynamic drum microphones are built to last. Designed for high SPL, each of these dynamic mics will provide clean, clear drum tones in the studio or on the road.

Q7 CARDIOID DYNAMIC MIC

The finest Neodymium hand-held dynamic microphone we make. The ultimate all-around microphone.

- Outstanding vocal mic for stage and studio
- High output, low impedance design
- Neodymium dynamic mic element
- Cardioid pickup pattern
- Multi-axis shock-mounted element
- Carry case and mic clip included



Q SNARE DYNAMIC DRUM MIC

Designed for high SPL and durability, the Q Snare is the right choice for stage and studio.

- High SPL dynamic mic in a rugged casing
- Cardioid polar pattern reduces feedback
- Smooth, flat frequency response
- Voiced particularly for snare drum
- Gold-plated XLR connector
- Rigid rim-mount mic clip with cable management included
- Carry case included



Q TOM DYNAMIC DRUM MIC

Sold in a three pack, the Q Tom is the perfect complement to the Q Snare.

- High SPL dynamic mic in a rugged casing
- Cardioid polar pattern reduces feedback
- Smooth, flat frequency response
- Voiced particularly for toms
- Gold-plated XLR connector
- Rigid rim-mount mic clip with cable management included
- 3KIT Carry case included



Q KICK DYNAMIC DRUM MIC

An incredibly well-made kick drum mic. Rigid, and featuring a huge diaphragm element, the Q Kick sounds better than mics costing hundreds more.

- Large diaphragm dynamic element
- Cardioid polar pattern reduces feedback
- Gold-plated XLR connector
- Mic stand swivel mount included
- Carry case included



3KIT 3-PIECE TOM MIC SET

A three pack of our great-sounding rugged tom mics in a sturdy road case.

- Includes three of our rugged Q Tom dynamic drum mics
- High SPL dynamic mic in a rugged casing
- Carry case and three rim mic clips included



5KIT 5-PIECE DRUM MIC SET

A comprehensive drum mic set up in a sturdy road case.

- Five piece drum mic kit
- One Q Kick kick drum mic with mic stand swivel mount
- One Q Snare snare mic with rim clip
- Three Q Tom tom mics with rim clips
- Road case included



7KIT 7-PIECE DRUM MIC SET

Everything you could want for mic'ing drums. A complete set of our dynamic drum mics and a pair of C02 pencil condenser mics for overheads or close-micing cymbals.

- Seven piece drum mic kit
- One Q Kick kick drum mic with mic stand swivel mount
- One Q Snare snare mic with rim clip
- Three Q Tom tom mics with rim clips
- Two C02 pencil condenser mics with shock-mount clips
- Road case included



R11 HYPERCARDIOID MIC

Offered in a convenient three-pack, the versatile R11 gives you output and reliable performance for any kind of application.

- Hypercardioid polar pattern
- Neodymium mic element for increased output in high SPL situations
- Transformerless design provides extended low frequency reproduction
- External on/off switch
- Rugged metal die-cast case and steel mesh windscreen



R21 CARDIOID DYNAMIC MIC

The R21 features a tight cardioid pickup pattern for maximum gain before feedback. The R21 is sold in 3-pack.

- High output dynamic element
- Unidirectional cardioid polar pattern for maximum gain before feedback
- Withstands high sound pressure levels
- Dual stage windscreen
- Excellent for live performance and recording
- Rugged road-proof design
- Gold plated XLR connector



R21S CARDIOID DYNAMIC MIC

The R21S has all the features of the R21, with the addition of an on/off switch. The R21S is sold individually.

- High output dynamic element
- Unidirectional cardioid polar pattern for maximum gain before feedback
- Withstands high sound pressure levels
- Dual stage windscreen
- Excellent for live performance and recording
- Rugged road-proof design
- Gold plated XLR connector



HM40 HORN CONDENSER MIC

This mini condenser is designed for horns, rich and clear, focused, with the ability to handle serious SPL.

- High output miniature condenser mic element
- Surdy clip and flexible goose neck
- Excellent for live performance and recording
- P-3 three-pin mini XLR connector
- PM5 phantom power adapter (P-3 to standard XLR)
- Rugged road case included



S11 CARDIOID DYNAMIC MIC

A durable multi-purpose mic suitable for recording, live sound and PA use.

- Cardioid pickup pattern reduces feedback
- Low impedance output
- Heavy gauge mesh grill with anti-dent ring
- Die-cast zinc casing
- Carry case and mic clip included



S12 HYPERCARDIOID DYNAMIC MIC

A Neodymium mic element and a Hypercardioid pattern allow for maximum gain before feedback.

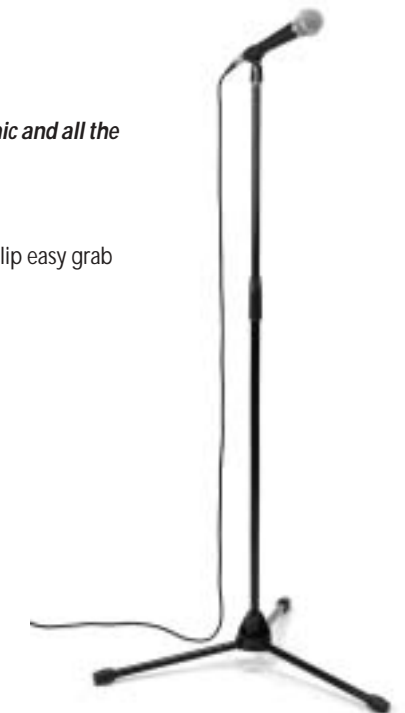
- Advanced Neodymium element delivers high output
- Hypercardioid pattern reduces feedback
- Internal shock mount element reduces handling noise
- Heavy gauge mesh grill with anti-dent ring
- Die-cast zinc casing
- Gold-plated XLR connector
- Mic clip and carry case included



VP1 MICROPHONE PACKAGE

A complete microphone solution, the VP1 combines an R21 dynamic mic and all the accessories.

- R21 dynamic mic
- Heavy-duty die cast and steel construction tripod mic stand with non-slip easy grab clutch
- Mic clip with euro adapter
- Low noise high performance 25' mic cable



QE EXERCISE HEADSET MIC

Qe headset mic is light, comfortable and specifically designed for aerobics and fitness training.

- Advanced moisture-resistant condenser mic element
- Hypercardioid pattern to reduce feedback
- 50 Hz to 18 kHz frequency response for clear, articulate sound
- Lightweight and comfortable
- Special adjustable headband for closer fit
- Adjustable metal gooseneck for easy mic positioning
- Locking detachable P3 connector reduces cable/connection problems
- PM4 phantom power adapter included



QV VOCAL HEADSET MIC

The Qv headset mic allows drummers, keyboardists and other musicians to perform "hands free" vocals without affecting their playing technique.

- Sophisticated condenser mic element
- Hypercardioid pattern helps eliminate feedback
- 50 Hz to 18 kHz frequency response for a balanced, full-range sound
- Withstands high sound pressure levels
- Lightweight and comfortable design
- Adjustable metal gooseneck for easy mic positioning
- Locking detachable P3 connector reduces cable/connection problems
- PM4 phantom power adapter included



PM4 PHANTOM POWER ADAPTER

The PM4 provides a phantom power interface between a mixer and condenser lavalier or headset mics.

- Special interface enables a mixer to provide phantom power to condenser microphones
- Lockable mini-XLR input
- Transformer balanced XLR output
- Durable metal housing
- Belt clip



RH600 HEADPHONES

Top-of-the-line drivers and sophisticated circuitry to provide true "reference quality" audio.

- 40mm drivers with Neodymium magnets and ultra thin mylar diaphragms
- Frequency response from 20Hz to 22kHz
- Open-back design
- Heavy-duty cable with a gold mini phone plug and 1/4" gold adapter included
- Self-adjusting head band for comfortable fit



RH300 HEADPHONES

An open-back design with acoustic mesh fabric provide an enhanced ambient listening experience.

- High performance drivers with Neodymium magnets
- Open-back design
- Wide dynamic range and flat frequency response of 20Hz to 22kHz
- Heavy-duty cable with a gold mini phone plug and 1/4" gold adapter included



RH100 HEADPHONES

Great for studio and/or home, the RH100 combines professional specs, exceptional comfort and high quality audio.

- High performance transducers with Neodymium magnets
- Open-back design
- Heavy-duty cable with a gold mini phone plug and 1/4" gold adapter included



CH700 HEADPHONES

Professional level closed-back model with oversized ear pieces for greater low frequency performance.

- Oversized earpieces further extend low frequency response
- 40mm drivers with Neodymium magnets and ultra thin Mylar diaphragms
- Frequency response from 20Hz to 22kHz
- Adjustable headband and lightweight design



CH70 HEADPHONES

An excellent all-purpose headphone for situations that require a closed-back design for isolation.

- 40mm drivers with Neodymium magnets and ultra thin Mylar diaphragms
- Frequency response from 20Hz to 22kHz
- Adjustable headband and lightweight design



PH60 MOBILE HEADPHONES

Designed to offer great sound in a lightweight, "see-through blue" design for personal stereo listening.

- 34mm Mylar drivers with isotropic ferrite magnets
- Frequency response from 20Hz to 18kHz
- Nickel-plated mini phone plug and 1/4" adapter included



OUTPUT	XLR and 1/4" jack
Key Input Connector	1/4" jack
Key Output Connector	1/4" jack
Dimensions	1.5/8" (h) x 8.5/8" (w) 7 1/4" (d) 41.5 mm (h) x 215 mm (w) x 184 mm (d)
Net Weight	5.5lbs. (2.5 kg)
Shipping Weight	8lbs., (3.6 kg)

S•Direct	Direct Box
Frequency Response	5-35 kHz, .3 dB
Noise Level (22-22kHz., Input Shorted)	-104 dBu
THD + N (10 Hz -22 kHz)	0.013% typ. @ 1 VRMS,1 kHz.
Input Impedance	(GTR) 1 Meg. Ohm (SPK) 10 k Ohm

Max. Input Level (1% THD)	+8.1 dBu (9v. Batt.) +11.3 dBu (48v. Phantom)
GTR/SPK Input	1/4" Phone Jack, unbalanced
OUTPUT/LINK	1/4" Phone Jack, unbalanced
BALANCED OUTPUT	XLR Connector, balanced
Phantom Power	24.48 VDC
Battery	9 Volt
Dimensions	2" (h) x 5.6" (w) x 4" (d) 50.8mm (h) 142mm (w) x 101.6mm (d)
Weight	15 oz. • .43 Kg

S•Monitor	Personal Monitor
Specifications TBD	

S•Mix	5-channel Mixer
Specifications TBD	

S•Amp	4-channel Headphone Amp
Specifications TBD	

S•Convert	+4 to -10dB/-10 to +4dB Converter
Specifications TBD	

Mixers

MDR6	
Frequency Response	
Mic to Main	5 Hz - 54 kHz
Line to Main	5 Hz - 54 kHz
Aux Return to Main	5 Hz - 98 kHz
Line to Aux Send	5 Hz - 57 kHz
T.H.D.	0.02%
Residual Noise (30 kHz LPF, all control Min)	
Main	-89 dBu
Aux Send	-86 dBu
Crosstalk (@ 1 kHz w/ 30 kHz LPF)	
Ch vs. Ch	75 dB
Input vs. Output	87.5 dB
Peak LED Sensitivity (before clipping)	5 dB
CLIP Indicators	Turn on: THD> 0.1%
Headphone output (600 ohm load)	100 mW
Maximum Input Level (1 kHz, ± 3dB)	
Mic Input (Mono Ch)	10.5 dBu
Line Input (Stereo Ch)	7.6 dBu
Input Channel Equalizer (± 2dB)	
High (shelving)	12 kHz ±15 dB
Mid (peaking)	2.5 kHz ± 15 dB
low (shelving)	80 Hz ±15 dB
Meters	6 point LED meter (-20, -12, -6, 0, +6dB and PEAK)
Phantom Power	+48V
Power Consumption	300W 1/8 power, 540W full
Dimensions (W x D x H)	2.7± (h) x 6.4± (w) x 9± (d) 69 mm (h) x 163 mm (d) x 228 mm (w)
Weight	4.5 lbs • 2.04 Kg

MDR8	
Frequency Response (Trim @ Min, unity gain ± 3 dB)	
Mic to Main	5 Hz - 54 kHz
Line to Main	5 Hz - 54 kHz
Aux Return to Main	5 Hz - 98 kHz
Line to Aux Send	5 Hz - 57 kHz
T.H.D.	0.02%
Residual Noise (30 kHz LPF, all control Min)	
Main	-89 dBu
Aux Send	-86 dBu
Crosstalk (@ 1 kHz w/ 30 kHz LPF)	
Ch vs. Ch	75 dB
Input vs. Output	87.5 dB
Peak LED Sensitivity (before clipping)	5 dB
CLIP Indicators	Turn on: THD> 0.1%
Headphone output (600 ohm load)	100 mW
Maximum Input Level	(1 kHz, ± 3dB)
Mic Input (Mono Ch)	10.5 dBu
Line Input (Stereo Ch)	7.6 dBu
Input Channel Equalizer (± 2dB)	
High (shelving)	12 kHz ±15 dB

Mid (peaking)	2.5 kHz ± 15 dB
Low (shelving)	80 Hz ±15 dB
Meters	6 POINT LED METERS (-20, -12, -6, 0, +6dB and PEAK)
Internal DSP Effects	24 BIT -8 presets: 1 - Large Hall; 2 Medium Hall, 3 - Large Room; 4 - Vocal Room 1; 5 - Vocal Room 2; 6 - Chorus + Reverb; 7 - Chorus + Delay; 8 - Stairwell
Phantom Power	+48V
Power Consumption	300W 1/8 power, 540W full
Dimensions (W x D x H)	3 1/2± (h) x 11 1/2± (w) x 11.3/4± (d) 89 mm (h) x 292mm (w) x 299mm (d)
Weight	6.5 lbs. • (3 Kg)

MDR 10	
Specifications TBD	

MDR 16	
Specifications TBD	

Mixpad 4	
Mic EIN:	-128 dBu
Line EIN:	-111 dBu
Frequency response:	10 Hz to 54 kHz
Total harmonic distortion (with 30 kHz LPF):	.004%
EQUALIZATION	
High (12 kHz):	±15 dB
Mid (2.5 kHz):	±12 dB
Low (80 Hz):	±15 dB
Battery operation:	Three 9V alkaline
Dimensions:	2.7" (h) x 6.4" (w) x 9" (d) 69 mm x (h) 163 mm (w) x 228 mm (d)
Weight:	1.85 lbs. • .839 kg.

Powered Mixers

TM300	
MIXER/PREAMP SECTION	
Frequency response (± 1 dB):	<20 Hz to 20 kHz
Total harmonic distortion:	< 0.02%
Graphic Equalizer:	7 band ±12 dB
Phantom power	+48 V
POWER AMP SECTION	
Maximum output power (1 kHz):	150 W per channel into 4 Ω
Total harmonic distortion:	< 0.2%
Signal-to-noise ratio:	>100 dB
Frequency response (± 3 dB):	<12 Hz to 20 kHz
GENERAL	
Power consumption:	780 w
Power requirements:	115 Vac • 50/60 Hz 230 Vac • 50 Hz

Dimensions:	5.5" (h) x 19.35" (w) x 13.75" (d) 139 mm (h) x 349 mm (w) x 491 mm (d)
Weight:	29.7 lbs. • 13.5 kg

TM500	
MIXER/PREAMP SECTION	
Frequency response (± 1 dB):	<20 Hz to 20 kHz
Total harmonic distortion:	< 0.02%
Graphic Equalizer:	7 band ±12 dB
Phantom power	+48 V
POWER AMP SECTION	
Maximum output power (1 kHz):	250 W per channel into 4 Ω
Total harmonic distortion:	< 0.2%
Signal-to-noise ratio:	>100 dB
Frequency response (± 3 dB):	<12 Hz to 20 kHz
GENERAL	
Power consumption:	1100 w
Power requirements:	115 Vac • 50/60 Hz 230 Vac • 50 Hz

Dimensions:	5.5" (h) x 19.35" (w) x 13.75" (d) 139 mm (h) x 349 mm (w) x 491 mm (d)
Weight:	36 lbs. • 16.4 kg

PA324	
Rated Output power	150W/4 Ω @0.5% THD at 1kHz per amplifier
Frequency response	20Hz~20KHz±0.5dB@1W Output into 8 Ω (AMP OUT)
	20 Hz~20KHz ±0.5@+4dB Output into 10 Ω (MAIN OUT, MONITOR OUT, EFX SEND)
Total Harmonic Distortion	< 0.1%@20Hz~20KHz; 75W output into4 Ω (AMP OUT)

Hum & Noise	-121dB equivalent input noise
(Average, RS+150 Ω)	-100dB residual output noise (MAIN OUT, MONI-TOR OUT, EFX OUT)
(with 20Hz~20KHz BPF)	-79dB (MAIN OUT, MONITOR OUT) Master level control at maximum all channel level control at minimum.

Crosstalk 1KHz	-79dB (EFX OUT) Master level control at maximum all channel level controls at minimum
	70dB adjacent input, 70dB input to output Input Channel Equalization
HIGH	12KHz shelving (± 15dB Maximum)
MID	2.5KHz peaking (± 12dB Maximum)
LOW	80Hz shelving (± 15dB Maximum)
Meters	7 POINT LED METERS (20, -10, -7, 4, 0, +3, +6dB)
Graphic Equalizer	7 bands (63, 160, 400, 1K, 2.5K, 6.4K, 16KHz)
Internal DSP Effects	24 BIT - 8
Dimensions	19.25" (w) x 11.25" (h x 11.4" (d) 489mm (w) x 286mm (h) x 289mm (d)
Weight	32.3 lbs. •14.7Kg

Power Distribution & Rack Gear

S Patch Plus	48 Channel, fully Balanced patchbay
Channel	48
Switchable configuration modes	Normal, Half-normal and Thru
Dimensions	1 3/4" (h) x 19" (w) x 3" (d) 44.45 mm (h) x 482.6 mm (w) x 76.2 (d)
Weight	3.8 lbs. • (1.72 Kg)

PowerBrite Pro7/Pro9	
Number of Outlets	

Pro7:	6 switched, 1 unswitched
Pro9:	8 switched, 1 unswitched
Max. Current:	Pro7 15 Amps/Pro9 10 Amps
Input Voltage (RMS):	Pro7 130 Vac/Pro9 245 Vac
Spike Protection Mode:	Hot to Neutral, Hot to Ground, and Neutral to Ground

Max. Clamping Voltage (@ 50 A):	700 Vac
Response Time:	1 nanosecond
Max. Surge Current:	4,500 Amps (8 x 20 ms pulse)
Max. Spike Energy:	104 Joules
Noise Attenuation:	> 20 dB, 1.5 MHz to 200 MHz
AC Inlet:	PS9 North America/PS11 IEC
Lamp/Starter:	Fluorescent F45CW condenser type FS2
Lamp Life:	3000 hours 95 Lumens
Starter Fuse (Internal):	500 ma T type
Dimensions:	1.75" (h) x 19" (w) x 7.5" (d) 44 (h) x 482 mm (w) x 190 (d) 7 lbs. • 3.2 kg
Conforms:	UL/CUL/CE/LVD

PowerBrite PB9/PB11	
Number of Outlets	
PB9:	8 switched, 1 unswitched
PB11:	10 switched, 1 unswitched
Max. Current:	PB9 15 Amps/PB11 10 Amps
Input Voltage (RMS):	PB9 130 Vac/PB11 245 Vac
Spike Protection Mode:	Hot to Neutral, Hot to Ground, and Neutral to Ground

Max. Clamping Voltage (@ 50 A):	700 Vac
Response Time:	1 nanosecond
Max. Surge Current:	4,500 Amps (8 x 20 ms pulse)
Max. Spike Energy:	104 Joules
Noise Attenuation:	> 20 dB, 1.5 MHz to 200 MHz
AC Inlet:	PS9 North America/PS11 IEC
Lamp/Starter:	Fluorescent F45CW condenser type FS2
Lamp Life:	3000 hours 95 Lumens
Starter Fuse (Internal):	500 ma T type
Dimensions:	1.75" (h) x 19" (w) x 7.5" (d) 44 (h) x 482 mm (w) x 190 (d) 7 lbs. • 3.2 kg
Conforms:	UL/CUL/CE/LVD

PowerStrip PS9/PS11	
Number of Outlets	
PS9:	8 switched, 1 unswitched
PS11:	10 switched, 1 unswitched
Max. Current:	PS9 15 Amps/PS11 10 Amps
Input Voltage (RMS):	PS9 130 Vac/PS11 245 Vac
Spike Protection Mode:	Hot to Neutral, Hot to Ground, and Neutral to Ground

Max. Clamping Voltage (@ 50 A):	700 Vac
Response Time:	1 nanosecond
Max. Surge Current:	4,500 Amps (8 x 20 ms pulse)
Max. Spike Energy:	104 Joules
Noise Attenuation:	> 20 dB, 1.5 MHz to 200 MHz
AC Inlet:	PS9 North America/PS11 IEC
Dimensions:	1.75" (h) x 19" (w) x 7.5" (d) 44 (h) x 482 mm (w) x 190 (d) 7 lbs. • 3.2 kg
Conforms:	UL/CUL/CE/LVD

Audio Equipment

Resolv 50a	
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Rated Output Power	
Low frequency amp:	50 watts @1K into 4ohms
High frequency amp:	25 watts @ 10K into 4ohms
Frequency Response:	
Low amp:	tbid
High amp:	tbid
Distortion THD:	tbid
Power consumption:	75 watts
Frequency response:	tbid
Driver:	5.25" Woofer Shielded
Tweeter:	1" Dome Shielded
Dimensions:	tbid
Weight:	tbid

Resolv 65a	
Rated Output Power	
Low frequency amp:	75 watts @1K into 4ohms
High frequency amp:	30 watts @ 10K into 4ohms
Frequency Response:	
Low amp:	40hz-320K
High amp:	3200-50K
Distortion THD:	<.05%
Power consumption:	150 watts
Frequency response:	40 Hz to 20 kHz
Driver:	6 1/2" Woofer Shielded
Tweeter:	1" Dome Shielded
Dimensions:	13 5/8"(H) x 8 1/2" (W) x 9 7/8" (D)
Weight:	18 lbs. • 8.2 kg

Resolv 65	
Power Rating:	75 watts
Impedance:	8 ohm
Frequency response:	40 Hz to 20 kHz
Driver:	6 1/2" Woofer Shielded
Tweeter:	1" Dome Shielded
Dimensions:	13 5/8"(H) x 8 1/2" (W) x 9 7/8" (D)
Weight:	13.4 lbs. • 6.1 kg

Resolv 80a	
Rated Output Power	
Low frequency amp:	75 watts @1K into 4ohms
High frequency amp:	25 watts @ 10K into 4ohms
Frequency Response:	
Low amp:	tbid
High amp:	tbid
Distortion THD:	tbid
Power consumption:	100 watts
Frequency response:	tbid
Driver:	8" Woofer Shielded
Tweeter:	1" Dome Shielded

Resolv Sub 120	
Amp:	120watts into 4ohms
Frequency Response:	30hz-150
Distortion THD:	<.05%
Power consumption:	210 watts
Driver:	10" long stroke
Dimensions:	14 1/2" (H) x 14 1/2" (W) x 17.5" (D)
Weight:	39 lbs. • 17.75 kg

Expedition Express	
Power Rating: (@ 8 Ω):	250 Watts Program
Frequency Response:	60 Hz – 15 kHz ± 3 dB
Sensitivity:	97 dB SPL @ 1W/1m
Crossover Frequency:	2.3 kHz (12 dB Per Octave)
LF Driver:	12± heavy-duty driver , 2.5± voice coil (Kapton Former), 50 oz. barium ferrite magnet

HF Driver:	1± titanium compression driver
Stereo Mixer Section:	
Inputs	2 Mic/Line XLR/TRS, 1 Stereo Line w/Mic XLR
Frequency Response	10 Hz - 50 kHz
Crosstalk	70 dB @ 1 kHz
Equalization Frequencies	100 Hz (Low), 10 kHz (High)
Effects	DSP Reverb with 6 Presets
Mounting:	Integral 1 3/8s Pole Mount Receptacle, Fly Points
Dimensions: EX250m and EX250e	21 1/4 (h) x 14 5/8 in. (w) x 17 3/8 (d) 539 mm (h) x 371 mm (w) x 441 (d)

Weight:	
EX250e	28.5 lbs • 12.9 kg
EX250m	45.0 lbs • 20.4 kg

XP100	
Power Rating:	250 Watts Program; 400 Watts Max. Peak
Frequency Response	60 Hz – 15 kHz
Sensitivity	97 dB SPL @ 1W/1m
Crossover Frequency	2.3 kHz (24 dB Per Octave)
LF Driver	12" heavy-duty driver 2.5" voice coil (Kapton Former)

HF Driver	50 oz. barium ferrite magnet
Mounting	1" compression driver
Dimensions	Integral 1 3/8" Pole Mount Receptacle, Fly Points 21 1/4" (h) x 14 5/8" (w) x 17 3/8" (d) 539 mm (h) x 371 mm (w) x 441 mm (d)
Weight	28.5 lbs • 12.9 kg

XP200	
Power Rating:	160 Watts LF; 40 Watts HF
Frequency Response	60 Hz – 15 kHz
Sensitivity	97 dB SPL @ 1W/1m
Crossover Frequency	2.3 kHz (12 dB Per Octave Linkwitz-Riley Constant Phase)

LF Driver	12" heavyduty driver 2.5" voice coil (Kaplon Former)
HF Driver	50 oz. barium ferrite magnet
Mounting	1" compression driver

HF Driver	Integral 1 3/8" Pole Mount Receptacle, Fly Points
Mounting	21 1/4" (h) x 14 5/8" (w) x 17 3/8" (d)
Dimensions	539 mm (h) x 371 mm (w) x 441 mm (d)
Weight	42.0 lbs • 19.0 kg

XP300	
Power Rating:	160 Watts LF; 40 Watts HF
Frequency Response	60 Hz – 15 kHz
Sensitivity	97 dB SPL @ 1W/1m
Crossover Frequency	2.3 kHz (12 dB Per Octave Linkwitz-Riley Constant Phase)

LF Driver	12" heavyduty driver 2.5" voice coil (Kaplon Former)
HF Driver	50 oz. barium ferrite magnet
Mounting	1" compression driver

HF Driver	1" compression driver
Stereo Mixer Section	
Inputs	2 Mic/Line XLR/TRS 1 Stereo Line w/Mic TRS/RCA/XLR
Outputs	+4 Balanced XLR
Frequency Response	10 Hz - 50 kHz
Crossalk	70 dB @ 1 kHz
Equalization Frequencies	100 Hz (Low), 10 kHz (High)
Effects	DSP Reverb with 6 Presets
Mounting	Integral 1 3/8" Pole Mount Receptacle, Fly Points
Dimensions	21 1/4" (h) x 14 5/8" (w) x 17 3/8" (d) 539 mm (h) x 371 mm (w) x 441 mm (d)
Weight	45.0 lbs • 20.4 kg

dB500	
Power Rating:	500 Watts Program
Frequency Response	60 Hz – 15 kHz ± 3 dB
Sensitivity	97 dB SPL @ 1W/1m
Crossover Frequency	2.3 kHz (24 dB Per Octave)
LF Driver	15" heavyduty driver 2.5" voice coil (Kaplon Former)
HF Driver	50 oz. barium ferrite magnet
Mounting	1.75" titanium compression driver

HF Driver	1.75" titanium compression driver
Mounting	Integral 1 3/8" Pole Mount Receptacle 15" wedge monitor position, 30° wedge monitor position, Ten Fly Points
Dimensions	30" (h) x 19" (w) x 17" (d) 762 mm (h) x 483 mm (w) x 432 mm (d)
Weight	53.4 lbs • 24.2 kg

dB500a	
Active Power:	400 Watts LF, 100 Watts HF
Frequency Response	60 Hz – 15 kHz ± 3 dB
Sensitivlity	97 dB SPL @ 1W/1m
Crossover Frequency	2.3 kHz (24 dB Per Octave)
LF Driver	15" heavyduty driver 2.5" voice coil (Kaplon Former)
HF Driver	50 oz. barium ferrite magnet

HF Driver	1.75" titanium compression driver
Mounting	Integral 1 3/8" Pole Mount Receptacle 15" wedge monitor position, 30° wedge monitor position, Ten Fly Points
Dimensions	30" (h) x 19" (w) x 17" (d) 762 mm (h) x 483 mm (w) x 432 mm (d)
Weight	td

EX500	
Transducer:	15" Heavy Duty Driver, 3" voice coil, aluminum former
Amplifier:	High-efficiency tracking converter
Power Rating:	500 Watts RMS
Frequency response	30Hz- 300Hz+/-3 dB
Sensitivity:	94dB SPL @ 1 W/1m
Input	Balanced
Connector:	XLR - FEMALE
Output	Balanced, high-passed tracking low frequency crossover point
Connector:	XLR - MALE
Crossover Frequency:	Variable 30Hz – 200Hz
Switch Functions	

Stereo /Mono:	Selects stereo or mono low frequency operation
Enclosure	
Construction:	3/4" plywood, carpet covered
Finish:	Black carpet
Corners:	Steel
Casters:	Three Inch Heavy Duty
Mounting:	Integral 1 3/8" (35mm) Pole Mount Receptacle,

Dimensions:	20" (h) x 24" (w) x 22.75" (d) 508 mm (h) x 610 mm (w) x 578 mm (d)
Weight:	71 lbs. •
32.25 kg	

Microphones

C01	
Frequency Response	40–18000 HZ
Polar pattern:	Hyper-cardioid
Element type	Back condenser type
Diaphragm thickness	3 microns
Sensitivity	-33 dB/Pa
SPL	136 dB
Power supply voltage:	phantom power 36V - 52V
Weight	2 lbs. (30.9 kg)
Dimensions	7" (h) x 2.125" (w) x 2.125" (d) 180 mm (h) x 54 mm (w) x 54 mm (d)
Shipping Weight	2.5 lbs.(1.15 Kg)

C02	
Frequency Response	TBD
Polar pattern:	condenser-cardioid
Element type	condenser

C03	
Frequency Response	TBD
Polar pattern:	Switchable cardioid, omni, figure-8
Weight	2 lbs. (30.9 kg)
Dimensions	7" (h) x 2.125" (w) x 2.125" (d) 180 mm (h) x 54 mm (w) x 54 mm (d)
Shipping Weight	2.5 lbs.(1.15 Kg)

C05	
Frequency Response	TBD
Polar pattern:	condenser-cardioid
Element type	condenser

C01	
Type:	Condenser
Polar pattern:	Cardioid
Frequency Response:	50 Hz – 20 kHz
Sensitivity:	-68dB ±3dB
Max. SPL:	142 dB
Output Impedance (@ 1 kHz):	150 Ω
Connector:	3-pin gold-plated balanced XLR male
Power Requirements:	Supply Voltage (Phantom) 11 to 52 Vdc
Dimensions:	7" • 176 mm overall
Weight:	8.5 oz • 240 g

Qmic	
Type:	Dynamic
Polar pattern:	Hypercardioid
Frequency Response:	20 Hz – 18.5 kHz
Sensitivity:	-47 dBV @ 94 dB SPL
Max. SPL:	137 dB
Output Impedance (@ 1 kHz):	150 Ω
Connector:	3-pin gold-plated balanced XLR male
Dimensions:	6.75" • 172 mm overall
Weight:	8.7 oz. • 250 g

Q2	
Type:	Dynamic
Polar Pattern:	Cardioid
Frequency Response:	50 Hz – 15 kHz
Sensitivity:	-71 dB ±3 dB
Max. SPL:	137 dB
Output Impedance (@ 1 kHz):	600 Ω (to Z)
High Pass Range:	-12 dB/octave (HP switch ON)
Attenuation Range:	-10 dB/average (ATT switch ON)
Connector:	3-pin gold-plated balanced XLR male
Dimensions:	6" • 152mm overall

Weight:	10.5 oz. • 300g
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Q3	
Type:	Dynamic
Polar Pattern:	Hypercardioid
Frequency Response:	50 Hz – 15 kHz
Sensitivity:	-71 dB ±3 dB
Max. SPL:	137 dB
Output Impedance (@ 1 kHz):	600 Ω (to Z)
High Pass Range:	-12 dB/octave (HP switch ON)
Attenuation Range:	-10 dB/average (ATT switch ON)
Connector:	3-pin gold-plated balanced XLR male
Dimensions:	7" • 178 mm overall
Weight:	15.1 oz. • 431g

Q7	
Type:	Dynamic
Polar pattern:	Cardioid
Connector:	3-pin gold-plated balanced XLR male
Dimensions:	7" • 177 mm overall
Weight:	13 oz. • 368 g

Q Snare	
Type:	Dynamic
Polar pattern:	Cardioid
Connector:	3-pin gold-plated balanced XLR male

Q Tom	
Type:	Dynamic
Polar pattern:	Cardioid
Connector:	3-pin gold-plated balanced XLR male

Q Kick	
Type:	Dynamic
Polar pattern:	Cardioid
Connector:	3-pin gold-plated balanced XLR male

R11	
Type:	Dynamic
Polar Pattern:	Hypercardioid
Frequency Response:	60 Hz – 18 kHz
Sensitivity:	-75 dB ±3 dB
Max. Input Level (1 kHz):	130 dB SPL
Output Impedance (@ 1 kHz):	400 ohm (to Z)
Connector:	3-pin XLR male (pin 2 hot)
Dimensions:	6.85" • 174 mm overall
Weight:	8.8 oz. • 250 g

R21	
Type	Dynamic
Frequency Response	80 Hz - 12 kHz
Polar Pattern	Cardioid
Output Impedance	Rated at 500Ω
Sensitivity	-53 dBV/pa (1.8 mv/pa)
Connector	3-pin gold plated balanced XLR male
Dimensions	
Head length	2.125 in. / 53.97 mm
Main unit length	4.56 in. / 115.88 mm
Total length	6.85 in. / 169.8 mm
Weight	7 oz. / 217 g

R21S	
Same as above, with on/off switch	

HM40	
Type:	Condenser
Polar pattern:	Cardioid
Connector:	3-pin mini-XLR

S11	
Type:	Dynamic
Polar pattern:	Unidirectional cardioid
Frequency response:	60 Hz – 18 kHz
Sensitivity:	-74 dB ±3 dB
Max. input level (1 kHz):	130 dB SPL
Output Impedance (@ 1 kHz):	600 Ω ±30%
Connector:	3-pin XLR male
Dimensions:	6.75" • 172 mm overall
Weight:	8.7 oz. • 250 g

S12	
Type:	Dynamic
Polar Pattern:	Hypercardioid
Frequency Response:	60 Hz – 18 kHz
Sensitivity:	-70 dB ±3 dB
Max. Input Level (1 kHz):	130 dB SPL
Output Impedance (@ 1 kHz):	600 Ω ±30%
Connector:	3-pin XLR male
Dimensions:	6.75" • 172 mm overall
Weight:	8.7 oz. • 250 g

VP1	
R21 Microphone same as above	
Tripod Mic Stand	Heavy-duty Die Cast and Steel
	Non-slip Easy Grab Clutch
	Over-sized Rubber Feet
	Mic Clip with Euro Adaptor

Mic Cable	
Type	XLRLow Noise High Performance
Length	25' • 7.62 m
Shipping Weight:	8.5 lbs. • 3.85 kg

Qe and Qv	
Generating Element:	Back electret cardioid condenser
Polar Pattern	
Qv:	Hypercardioid
Qe (water-resistant):	Bi-directional noise cancelling, pressure gradient type
Mounting system:	Adjustable headband and gooseneck
Sensitivity	
Qv:	70 mV @ 114 dB SPL
Qe:	80 mV @ 114 dB SPL
Max. SPL:	145 dB
Weight:	1.92 oz. • 54.4 grams

PM4 (For use with QE/QV Headset Mics)	
Connectors	
Input:	TA3M Switchcraft
Output:	XLR male
Operating Voltage:	12 Vdc through 48 Vdc
Dimensions	
Length:	3.7" • 93.75mm
Diameter:	0.86" • 22mm
Weight:	3 oz. • 85 grams

Headphones

RH600	
Driver Unit:	40mm Diaphragm Drivers with Neodymium Magnet
Frequency Unit:	20-22,000 Hz
Impedance:	40ohm ± 10%
Sensitivity:	115dB SPL at 1kHz ± 3dB
Input Connector:	Gold-Plated Mini Stereo Plug and ¼" Phone Adapler

RH300	
Driver Unit:	40mm Diaphragm Drivers with Neodymium Magnet
Frequency Unit:	20-22,000 Hz
Impedance:	32ohm ± 10%
Sensitivity:	106dB SPL at 1kHz ± 3dB
Input Connector:	Gold-Plated Mini Stereo Plug and ¼" Phone Adapler

RH100	
Driver Unit:	40mm Diaphragm Drivers with Neodymium Magnet
Frequency Unit:	20-22,000 Hz
Impedance:	64ohm ± 10%
Sensitivity:	106dB SPL at 1kHz ± 3dB
Input Connector:	Gold-Plated Mini Stereo Plug and ¼" Phone Adapler

PH60	
Driver Unit:	34mm Mylar Drivers with Anisotropic Ferrite Magnet
Frequency Unit:	20-18,000 Hz
Impedance:	32ohm ± 10%
Sensitivity:	101dB SPL at 1kHz ± 3dB
Input Connector:	Nickel-Plated Mini Stereo Plug and ¼" Phone Adapler

CH700	
Driver Unit:	Closed back design 40mm Diaphragm Drivers with Neodymium Magnet
Frequency Unit:	20 Hz–20 kHz
Impedance:	64ohms
Sensitivity:	108 dB S.P.L. @ 1 kHz ±3dB
Input Connector:	Gold-Plated Mini Stereo Plug and ¼" Phone Adapler

CH700	
Driver Unit:	Closed back design 40mm Diaphragm Drivers with Neodymium Magnet
Frequency Unit:	20 Hz–20 kHz
Impedance:	32ohms
Sensitivity:	103 dB S.P.L. @ 1 kHz ±3dB
Input Connector:	Gold-Plated Mini Stereo Plug and ¼" Phone Adapler